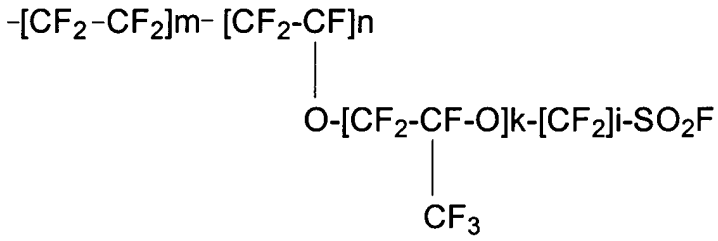
LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method to obtain perfluorocarbonate polymers that contain fluorosulphonyl functional groups and that have structural formula (I):



(I)

that consists in copolymerization between tetrafluoroethylene and a perfluorovinylic ether in a fluorated organic solvent medium, in the presence of a radical type starter with additional input of tetrafluoroethylene during the copolymerization process, characterized because before starting the copolymerization, a previously synthesized dispersion is introduced of the copolymer of tetrafluoroethylene and perfluorovinylic ether, in an organic solvent.

2. (Original) Method according to claim 1 in which the previously synthesized dispersion of the copolymer of tetrafluoroethylene and perfluorovinylic ether is prepared in a perfluorated organic solvent in a proportion of 0.03 - 0.06% of the liquid reagent mass.

3. (Original) Method according to claim 1 in which the previously synthesized dispersion of copolymer of tetrafluoroethylene and perfluorovinylic ether in the organic solvent presents a concentration of copolymer of between 10 and 20 % in mass of this solvent.

4. (Currently Amended) Method according to ~~the previous claims~~ claim 1 in which perfluorovinylic ether is perfluoride [4-methyl-3,6-dioxa-7-octene-1-fluorosulphonyl] (FC-141)

5. (Currently Amended) Method according to ~~the previous claims~~ claim 1 in which the organic solvent is 1,1,2-trichloro-1,2,2-trifluoroethane (freon-113).

6. (Currently Amended) Method according to ~~previous claims~~ claim 1 in which for a radical type starter perfluorate peroxide is used.

7. (Original) Method according to claim 6 in which perfluorocyclohexanoyl peroxide is used as perfluorate peroxide.

8. (Original) Method according to claim 7 in which the copolymerization is carried out at a temperature of 30-35°C and a pressure of 0.31-0.25 MPa.

9. (Original) Method according to claim 6 in which perfluoropropionyl is used as fluorated peroxide.

10. (Original) Method according to claim 9 in which the copolymerization process is carried out at a temperature of 70-80°C and a pressure of 9-14 MPa.